

Converting Colors

$Y_{xy}(30.4025, 0.3574, 0.4673)$

Have a look what the booklet for
Yxy(30.4025, 0.3574, 0.4673)
contains.

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Color

Yxy(30.5689, 0.3573, 0.4670)

Conversions

Conversions Part 1

Format	Color
Hex	84A04C
RGB	132, 160, 76
RGB Percent	52%, 63%, 30%
CMY	0.4824, 0.3725, 0.7020
CMYK	0.18, 0.00, 0.53, 0.37
HSL	80°, 36%, 46%
HSV	80°, 53%, 63%
XYZ	23.3882, 30.5689, 11.5010
YIQ	142.0520, 10.2760, -32.0600

Conversions

Conversions Part 2

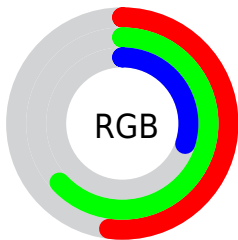
Format	Color
RYB	76, 160, 104
Decimal	8691788
CIELab	62.14, -23.50, 40.19
CIELCh	62, 46.552, 120.316
Yxy	30.5689, 0.3573, 0.4670
Android (android.graphics.Color)	4286881868 (0xFF84A04C)
YUV	142.0520, -32.5636, -8.8156
Hunter-Lab	55.2891, -21.2478, 26.3692

Details

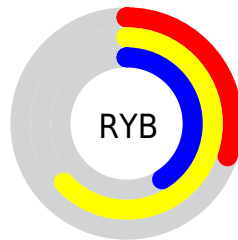
The Yxy color **30.5689, 0.3573, 0.4670** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.6479, 0.2447, 0.1780**, and the grayscale version is **27.1987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6980, 0.3509, 0.4381**, and **12.5052, 0.3647, 0.5149** is the 20% darker color. If you saturate the color by 10%, you get **29.9555, 0.3625, 0.4916**, and if you desaturate by 10%, it is **31.2624, 0.3504, 0.4404**.

Distribution



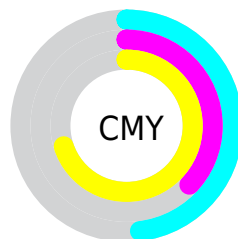
- Red (52%)
- Green (63%)
- Blue (30%)



- Red (30%)
- Yellow (63%)
- Blue (41%)



- Cyan (18%)
- Magenta (0%)
- Yellow (53%)
- Black (37%)





- Cyan (48%)
- Magenta (37%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5689, 0.3573, 0.4670 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 30.5689, 0.3573, 0.4670 by changing the saturation by 10% instead.


 30.5689, 0.3573,
0.4670


 30.5689, 0.3573,
0.4670


304.5473, 0.3367,
0.3911


 20.2708, 0.3610,
0.4877


 60.5607, 0.3507,
0.4379


 12.5920, 0.3643,
0.5151


 81.0232, 0.3479,
0.4274


 7.1482, 0.3657,
0.5518


 105.6426, 0.3454,
0.4188

 3.5550, 0.3744,
0.6256

 134.8033, 0.3432,
0.4114

 1.4279, 0.3302,
0.6698

 168.8898, 0.3413,
0.4052

 0.2371, 0.0000,
1.0000

208.2863, 0.3396,

 0.0000, 0.0000,

0.3999

0.0000

253.3774, 0.3381,
0.3952

■ 30.5689, 0.3573,
0.4670

■ 30.5689, 0.3573,
0.4670

■ 29.9555, 0.3625,
0.4916

■ 31.2624, 0.3504,
0.4404

■ 29.4136, 0.3656,
0.5131

■ 32.0360, 0.3423,
0.4131

■ 28.9394, 0.3663,
0.5305

■ 32.8947, 0.3335,
0.3860

■ 28.5269, 0.3646,
0.5432

■ 33.8421, 0.3243,
0.3597

■ 28.2482, 0.3623,
0.5505

■ 34.8814, 0.3150,
0.3350

■ 36.0156, 0.3060,
0.3119

■ 37.2477, 0.2973,
0.2908

■ 38.5805, 0.2892,
0.2716

■ 40.0165, 0.2815,
0.2542

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.5689, 0.4208, 0.4437



30.5689, 0.3573, 0.4670



30.5689, 0.2856, 0.4410

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.5689, 0.3573, 0.4670



30.5689, 0.1846, 0.2403



30.5689, 0.4023, 0.2870

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.5689, 0.3573, 0.4670



10.6479, 0.2447, 0.1780

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



30.5689, 0.3270, 0.2448



30.5689, 0.3573, 0.4670



30.5689, 0.2069, 0.2172

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.5689, 0.3573, 0.4670



30.5689, 0.1902, 0.2930



30.5689, 0.2559, 0.2200



30.5689, 0.4525, 0.3395

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.5689, 0.3573, 0.4670



30.5689, 0.2428, 0.3965



30.5689, 0.2559, 0.2200



30.5689, 0.3784, 0.2714

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.5703, 0.3573, 0.4670



60.7682, 0.3278, 0.3695



17.8945, 0.4338, 0.3740



13.2551, 0.3295, 0.3745



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.5703, 0.3573, 0.4670



54.2076, 0.3632, 0.4955



27.8391, 0.3164, 0.4868



7.6095, 0.3212, 0.3514



22.0269, 0.3629, 0.5501



0.4160, 0.3866, 0.5312

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.6479, 0.2447, 0.1780



14.0548, 0.2255, 0.1432



13.8158, 0.2993, 0.1990



6.5374, 0.3037, 0.3062



2.5966, 0.1764, 0.0746



0.0683, 0.2210, 0.0991

Previews

White Background



This preview shows how the Yxy color 30.5689, 0.3573, 0.4670 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 30.5689, 0.3573, 0.4670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

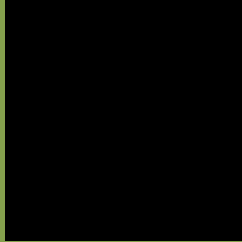
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.5689, 0.3573, 0.4670

Background



This preview shows how black text looks on a background with the Yxy color 30.5689, 0.3573, 0.4670.



This preview shows how white text looks on a background with the Yxy color 30.5689, 0.3573, 0.4670.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

30.5689, 0.3573, 0.4670

Protanopia

30.4007, 0.4038, 0.4410

Deuteranopia

30.2914, 0.4225, 0.4155



Tritanopia

30.6172, 0.2940, 0.3104

Trichromacy



Original Color

30.5689, 0.3573, 0.4670

Protanomaly

30.4756, 0.3865, 0.4510

Deuteranomaly

29.9519, 0.3972, 0.4331

Tritanomaly

30.2389, 0.3189, 0.3667

Monochromacy



Original Color

30.5689, 0.3573, 0.4670

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.2062, 0.3311, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5689, 0.3573, 0.4670 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(132, 160, 76)` looks like.

```
.text, #text, p{  
    color:rgb(132, 160, 76)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(132, 160, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 160, 76) }
```

Border

The CSS property to change the border of an element to Yxy 30.5689, 0.3573, 0.4670 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(132, 160, 76) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(132, 160, 76) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(132, 160, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 160, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 160, 76);  
box-shadow:4px 4px 4px 4px rgb(132, 160,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5689, 0.3573, 0.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 160, 76) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(132,  
160, 76) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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